

Amendments to the Drawings:

The attached sheets of drawings include changes to Figures 6 and 7. These two sheets, which include Figures 6 and 7, replace the original sheets including Figures 6 and 7. Sequence ID Nos. have been added to both of these figures.

Attachment: Replacement Sheets



App No.: 09/973,473

Docket No.: 514012000400

Inventor: Nahum SONENBERG et al.

Title: NON-HUMAN TRANSGENIC ANIMAL WHOSE GERM
CELLS AND SOMATIC CELLS CONTAIN A KNOCKOUT
MUTATION IN DNA ENCODING 4E-BP1

REPLACEMENT SHEET

SEQ ID
Nos:

h4E-BP1
h4E-BP2
h4E-BP3

R	I	I	Y	D	R	K	F	L	M	E	C	R	N	S	P
R	I	I	Y	D	R	K	F	L	L	D	R	R	N	S	P
R	I	I	Y	D	R	K	F	L	L	E	C	K	N	S	P

6
7
8

gg4E-BP
hr4E-BP
bm4E-BP
sm4E-BP
dd4E-BP

R	I	I	Y	D	R	K	F	L	M	E	C	R	N	S	P
R	I	I	Y	D	R	L	F	L	L	K	C	R	D	S	P
R	I	V	Y	E	R	S	E	M	L	S	L	R	Q	S	P
R	I	I	Y	E	R	D	F	I	L	S	C	R	N	S	P
K	I	V	Y	D	R	N	A	L	L	Q	Y	R	N	S	P

6
15
16
17
18

consensus

+ΦΦY-+.fLΦ..R.SP

24

FIG. 6

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REPLACEMENT SHEET

Seq ID
Nos:

Human	h4E-BP1	RI IYDRKELLMECRNSP	6
	h4E-BP2	RI IYDRKELLDRRNSP	7
	h4E-BP3	RI IYDRKELLECKNSP	8
	heIF4GI	KKRYDRPELLGFQFIF	9
	heIF4GII	KKQYDRPELLDFQFMP	10
	heIF4GI	KKRYDRPELLGFQFIF	9
Rabbit	4E-BP	RI IYDRKELLMECRNSP	6
Chicken	zeIF4G	KKRYDRPELLGFQFIS	11
Zebrafish	dmeIF4G	KKQYDRPELLQLREVK	12
Drosophila	p82	PVRYSRDQLLDLRKIT	13
Wheat germ	eIF4G	BVKYTPREQLLELKEVI	14
A. Thaliana	4E-BP	RI IYDRPELLKCRDSP	15
H. roretzi	4E-BP	RI IYDRPELLSLRQSP	16
BomByx mori	4E-BP	RI IYDRPELLSCRNSP	17
S. mansoni	4E-BP	RI IYDRPELLQYRNSP	18
D. discoideum	p150	KYTYGPTELLQFKDKL	19
S. cerevisiae	p130	KYTYGPTELLQFKDKL	19
	p20	MIKYTIDELLQLKPSL	20
			26

7

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Φ.Y.+ .fLΦ.....

